

05-22-06

EXPRESS MAIL NO. EV719379045US

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(To be used for all correspondence
after initial filing)

Application Number	10/622,011
Filing Date	July 16, 2003
First Named Inventor	Julie D. Saba
Art Unit	1652
Examiner Name	Iqbal Hossain Chowdhury, Ph.D.
Attorney Docket No.	200116.405C1

ENCLOSURES (check all that apply)

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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Seed Intellectual Property Law Group PLLC	Customer Number	00500
Signature			
Printed Name	Stephen J. Rosenman, Ph.D.		
Date	May 19, 2006	Reg. No.	43,058

CERTIFICATE OF TRANSMISSION/MAILING

VIA EXPRESS MAIL

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
784732



EXPRESS MAIL NO. EV719379045US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Julie D. Saba
Application No. : 10/622,011
Filed : July 16, 2003
For : COMPOSITIONS AND METHODS FOR THE MODULATION OF SPHINGOLIPID METABOLISM AND/OR SIGNALING
Examiner : Iqbal Hossain Chowdhury, Ph.D.
Art Unit : 1652
Docket No. : 200116.405C1
Date : May 19, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Commissioner for Patents:

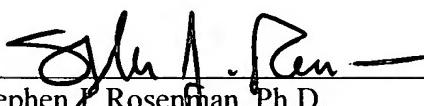
In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicant wishes to make known to the U.S. Patent and Trademark Office the references set forth on the attached Information Disclosure Statement. This application is a continuation-in-part and relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No. 10/348,052, filed January 17, 2003. The references cited on the attached Information Disclosure Statement were submitted to and/or cited by the Patent and Trademark Office in this prior application and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request. As to any reference cited, applicant does not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all

information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicant believes this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,
Seed Intellectual Property Law Group PLLC



Stephen J. Rosenman, Ph.D.

Registration No. 43,058

JAU:jt

Enclosures:

Transmittal Form
Information Disclosure Statement

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

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FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 200116.405C1	APPLICATION NO. 10/622,011
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Julie D. Saba	
		FILING DATE July 16, 2003	GROUP ART UNIT 1652

MAY 19 2000

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	MARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,423,527	07/23/02	Saba et al.	435	232	
	AB	2005/0221346	10/06/05	Saba et al.	435	6	
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AD	WO 95/21848	08/17/95	WIPO		
	AE	WO 99/16888	04/08/99	WIPO		
	AF	WO 99/38983	08/05/99	WIPO		
	AG	WO 01/42479	06/14/01	WIPO		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AH	Adachi-Yamada, T. et al., "De Novo Synthesis of Sphingolipids Is Required for Cell Survival by Down-Regulating c-Jun N-Terminal Kinase in <i>Drosophila</i> Imaginal Discs," <i>Molecular and Cellular Biology</i> 19(10): 7276-7286, October 1999.
AI	Amalfitano, G. et al., "Fluorescence In Situ Hybridization Study of Aneuploidy of Chromosomes 7, 10, X, and Y in Primary and Secondary Glioblastomas," <i>Cancer Genet. Cytogenet</i> 116: 6-9, 2000.
AJ	Bejaoui, K. et al., "SPTLC1 is mutated in hereditary sensory neuropathy, type 1," <i>Nature Genetics</i> 27(3): 261-262, March 2001.
AK	Caligan, T.B. et al., "A High-Performance Liquid Chromatographic Method to Measure Sphingosine 1-Phosphate and Related Compounds from Sphingosine Kinase Assays and Other Biological Samples," <i>Analytical Biochemistry</i> 281(1): 36-44, May 15, 2000.
AL	Dawkins, J.L. et al., "Mutations in SPTLC1, encoding serine palmitoyltransferase, long chain base subunit-1, cause hereditary sensory neuropathy type I," <i>Nature Genetics</i> 27(3): 309-312, March 2001.
AM	Fryst, H. et al., "The PLB2 Gene of <i>Saccharomyces cerevisiae</i> Confers Resistance to Lysophosphatidylcholine and Encodes a Phospholipase B/Lysophospholipase," <i>Biochemistry</i> 38(18): 5864-5871, May 4, 1999.
AN	Gable, K. et al., "Mutations in the Yeast LCB1 and LCB2 Genes, Including Those Corresponding to the Hereditary Sensory Neuropathy Type I Mutations, Dominantly Inactivate Serine Palmitoyltransferase," <i>The Journal of Biological Chemistry</i> 277(12): 10194-10200, March 22, 2002.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 200116.405C1	APPLICATION NO. 10/622,011
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	FILING DATE July 16, 2003	GROUP ART UNIT 1652	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
	BB				

OTHER ART (*Including Author, Title, Date, Pertinent Pages, Etc.*)

BC	Gottlieb, D. et al., "The <i>DPL1</i> Gene Is Involved in Mediating the Response to Nutrient Deprivation in <i>Saccharomyces cerevisiae</i> ," <i>Molecular Cell Biology Research Communications</i> 1(1): 66-71, April 1999.
BD	Hannun, Y.A. et al., "Enzymes of Sphingolipid Metabolism: From Modular to Intergrative Signaling," <i>Biochemistry</i> 40(16): 4893-4903, April 24, 2001.
BE	Heitman, J. et al., "FK 506-binding protein proline rotamase is a target for the immunosuppressive agent FK 506 in <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 88: 1948-1952, March 1991.
BF	Herr, D.R. et al., "Sply regulation of sphingolipid signaling molecules is essential for <i>Drosophila</i> development," <i>Development</i> 130: 2443-2453, 2003.
BG	GenBank Database, Accession No. AF144638, April 20, 1999.
BH	GenBank Database, Accession No. AF266756, May 11, 2000.
BI	Kim, S. et al., "Accumulation of Phosphorylated Sphingoid Long Chain Bases Results in Cell Growth Inhibition in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 156: 1519-1529, December 2000.
BJ	Lanterman and Saba, "Characterization of sphingosine kinase (SK) acitivity in <i>Saccharomyces cerevisiae</i> and isolation of SK-deficient mutants," <i>Biochem. J.</i> 332: 525-531, 1998.
BK	Mao, C. et al., "The dihydrosphingosine-1-phosphate phosphatases of <i>Saccharomyces cerevisiae</i> are important regulators of cell proliferation and heat stress responses," <i>Biochem. J.</i> 342: 667-675, 1999.
BL	Melendez, A.J. et al., "Human sphingosine kinase: molecular cloning, functional characterization and tissue distribution," <i>Gene</i> 251: 19-26, 2000.
BM	Mendel, J. et al., "Sphingosine Phosphate Lyase Expression Is Essential for Normal Development in <i>Caenorhabditis elegans</i> ," <i>The Journal of Biological Chemistry</i> 278(25): 22341-22349, June 20, 2003.

EXAMINER	DATE CONSIDERED
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				FILING DATE July 16, 2003	GROUP ART UNIT 1652

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
	CB				

OTHER ART (*Including Author, Title, Date, Pertinent Pages, Etc.*)

CC	Olivera and Spiegel, "Sphingosine-1-phosphate as second messenger in cell proliferation induced by PDGF and FCS mitogens," <i>Nature</i> 365: 557-560, October 7, 1993.
CD	Pyne and Pyne, "Sphingosine 1-phosphate signaling in mammalian cells," <i>Biochem J.</i> 349: 385-402, 2000.
CE	Pyne and Pyne, "Sphingosine 1-phosphate signalling via the endothelial differentiation gene family of G-protein-coupled receptors," <i>Pharmacology & Therapeutics</i> 88: 115-131, 2000.
CF	Roseman, R.R. et al., "A P Element Containing suppressor of Hairy-wing Binding Regions Has Novel Properties for Mutagenesis in <i>Drosophila melanogaster</i> ," <i>Genetics</i> 141: 1061-1074, November 1995.
CG	Saba, J. et al., "Ceramide: an intracellular mediator of apoptosis and growth suppression," <i>Phil. Trans. R. Soc. Lond. B</i> 351: 233-244, 1996.
CH	Saba, J.D. et al., "The BST1 Gene of <i>Saccharomyces cerevisiae</i> Is the Sphingosine-1-phosphate Lyase," <i>The Journal of Biological Chemistry</i> 272(42): 26087-26090, October 17, 1997.
CI	Thompson, A.M. et al., "p53 gene mRNA expression and chromosome 17p allele loss in breast cancer," <i>British Journal of Cancer</i> 61: 74-78, 1990.
CJ	Van Veldhoven and Mannaerts, "Subcellular Localization and Membrane Topology of Sphingosine-1-phosphate Lyase in Rat Liver," <i>The Journal of Biological Chemistry</i> 266(19): 12502-12507, July 5, 1991.
CK	Van Veldhoven, P.P. et al., "Human sphingosine-1-phosphate lyase: cDNA cloning, functional expression studies and mapping to chromosome 10q22," <i>Biochimica et Biophysica Acta</i> 1487: 128-134, 2000.
CL	Zhou and Saba, "Identification of the First Mammalian Sphingosine Phosphate Lyase Gene and Its Functional Expression in Yeast," <i>Biochemical and Biophysical Research Communications</i> 242(3): 502-507, January 26, 1998.

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